

ACCESS SERVICE

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Title Page 1 to 19-32 of this tariff and Supplement No. 1 are effective as of the date shown. Original and revised pages as named below contain all changes that are in effect on the date hereof.

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D - to signify discontinued rate or regulation.

EXPLANATION OF SYMBOLS

C - to signify changed regulation.
 I - to signify increase to a rate or charge.
 M - to signify matter relocated without change.
 N - to signify new rate or regulation.
 R - to signify reduction to a rate or charge.
 S - to signify matter reissued without change.
 T - to signify a change in text but no change in rate or regulation.
 Z - to signify a correction.

EXPLANATION OF ABBREVIATIONS

ADA	-	Abbreviated Dialing Arrangement	
ADM	-	Add/Drop Multiplexing	
ADSL	-	Asymmetric Digital Subscriber Line	(N)
AML	-	Actual Measured Loss	
ANI	-	Automatic Number Identification	
AP	-	Program Audio	
AT&T	-	American Telephone and Telegraph Company	
BHMC	-	Busy Hour Minutes of Capacity	
CDP	-	Customer Designated Premises	
CI	-	Channel Interface	
CO	-	Central Office	
Cont'd	-	Continued	
CPE	-	Customer Provided Equipment	
DA	-	Directory Assistance	
dB	-	decibel	
dBrnC	-	Decibel Reference Noise C-Message Weighting	
dBrnCO	-	Decibel Reference Noise C-Message Weighted O	
dc	-	direct current	
DDD	-	Direct Distance Dialing	
DSL	-	Digital Subscriber Line	
EAS	-	Extended Area Service	
EDD	-	Envelope Delay Distortion	
EML	-	Expected Measured Loss	
EPL	-	Echo Path Loss	
ERL	-	Echo Return Loss	
ESS	-	Electronic Switching System	
ESSX	-	Electronic Switching System Exchange	
f	-	frequency	
F.C.C.	-	Federal Communications Commission	

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EXPLANATION OF ABBREVIATIONS (Cont'd)

HC	-	High Capacity	
Hz	-	Hertz	
C	-	Interexchange Carrier	
ICB	-	Individual Case Basis	
ICL	-	Inserted Connection Loss	
ILP	-	Initial Liability Period	(N)
kbps	-	kilobits per second	
kHz	-	kilohertz	
LATA	-	Local Access and Transport Area	
ma	-	milliamperes	
Mbps	-	Megabits per second	
mcs	-	Microsecond	
MHz	-	Megahertz	
MRC	-	Monthly Recurring Charge	
MT	-	Metallic	
MTS	-	Message Telecommunications Service(s)	
MTSO	-	Mobile Telephone Switching Office	
NPA	-	Numbering Plan Area	
NRC	-	Nonrecurring Charge	
NXX	-	Three-Digit Central Office Prefix	
OLT	-	Optical Line Termination	(N)
PBX	-	Private Branch Exchange	
PIC	-	Presubscribed Interexchange Carrier	
POT	-	Point of Termination	
SAC	-	Service Access Code	
SRL	-	Singing Return Loss	
SSRIT	-	Shared SONET Ring Interoffice Transport	(N)
SWC	-	Serving Wire Center	
TG	-	Telegraph Grade	
TLP	-	Transmission Level Point	
TV	-	Television	
VG	-	Voice Grade	
V & H	-	Vertical & Horizontal	
WATS	-	Wide Area Telecommunications Service(s)	
WSO	-	WATS Serving Office	

These revisions are filed under Transmittal No. 12

ACCESS SERVICE

REFERENCE TO TECHNICAL PUBLICATIONS (Cont'd)

The following publications are referenced in this tariff and may be obtained from the Government Printing Office, Superintendent of Documents, Document Control Branch, 941 N. Capital St., N.E., Washington, D.C. 20401.

Telecommunications Service Priority (TSP) System for National Security Emergency Preparedness (NSEP) Service Vendor Handbook, National Communications System (NCSH 3-1-2).

Issued July, 1990
Available August, 1990

Telecommunication Service Priority (TSP) System for National Security Emergency Preparedness (NSEP) Service User Manual, National Communications System (NCSM 3-1-1).

Issued July, 1990
Available August, 1990

The following technical publication is referenced in this tariff and may be obtained from the Institute of Electrical and Electronics Engineers, Inc. (IEEE), 445 Hoes Lane, P.O. Box 1331, Piscataway, NJ 08855-1331 (www.ieee.org).

IEEE Std. 802.3-2000, Part 3, Clauses 14, 21 and 29- Information Technology-Telecommunications and Information Exchange Between Systems- Local and Metropolitan Area Networks- Specific Requirements

* Issued under authority of Special Permission No. 98-109 of the Federal Communications Commission.

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ACCESS SERVICE

2. General Regulations (Cont'd)2.4 Payment Arrangements and Credit Allowances (Cont'd)2.4.1 Payment of Rates, Charges and Deposits (Cont'd)(G) Rounding of Charges

When a rate as set forth in this tariff is shown to more than two decimal places, the charges will be determined using the rate shown. The resulting amount will then be rounded to the nearest penny (i.e., rounded to two decimal places).

2.4.2 Minimum Periods

The minimum period for which services are provided and for which rates and charges are applicable is one month except for those usage rated services set forth in Section 6. (Switched Access Service) and those services set forth in 6.1.3 (Switched Access High Capacity DS3 Entrance Facility and Direct Trunked Transport), 7.2.4, (Part-time Video and Program Audio), and 7.2.8 (High Capacity DS1 and DS3 Service), Synchronous Optical Channel Service, or as otherwise specified.

(T)

The minimum period for which service is provided and for which rates and charges are applicable for a Specialized Service or Arrangement provided on an individual case basis as set forth in Section 12. following, is one month unless a different minimum period is established with the individual case filing.

When a service is discontinued prior to the expiration of the minimum period, charges are applicable, whether the service is used or not, as follows:

- (A) When a service with a one month minimum period is discontinued prior to the expiration of the minimum period, a one month charge will apply at the rate level in effect at the time service is discontinued.
- (B) When a service with a minimum period greater than one month is discontinued prior to the expiration of the minimum period, the applicable charge will be the lesser of (1) the Telephone Company's total nonrecoverable costs less the net salvage value for the discontinued service or (2) the total monthly charges, at the rate level in effect at the time service is discontinued, for the remainder of the minimum period.

These revisions filed under Transmittal No. 12

ACCESS SERVICE

2. General Regulations (Cont'd)2.4 Payment Arrangements and Credit Allowances (Cont'd)2.4.4 Credit Allowance for Service Interruptions (Cont'd)(B) When a Credit Allowance Applies (Cont'd)

Credit allowances are computed as follows:

- (1) Special Access Service other than Program Audio and Video and Digital Subscriber Line Access and flat rated Switched Access Service rate elements

For Special Access Services other than Program Audio and Video and Digital Subscriber Line Access Services, minutes. The customer shall be credited for an interruption of 30 minutes or more at the rate of 1/1440 of the monthly charges for the facility or service for each period of 30 minutes or major fraction thereof that the interruption continues.

The monthly charges used to determine the credit shall be as follows:

- (a) Two-point Services

For two-point services, the monthly charge shall be the total of all the monthly rate element charges associated with the service (i.e., two channel terminations, channel mileage and optional features and functions).

- (b) Multipoint Services

For multipoint services, the monthly charge shall be only the total of all the monthly rate element charges associated with that portion of the service that is inoperative (i.e., a channel termination per customer designated premises, channel mileage and optional features and functions).

- (c) Synchronous Optical Channel Service

For Synchronous Optical Channel Service the monthly charge shall be the total of all monthly rate element charges associated with that portion of the service which is inoperative, (i.e., Channel Termination, Channel Mileage, Customer Node and Customer Premises Port). When the facility provided via an Add/Drop Multiplexer is inoperative, the monthly charge shall be the total of all monthly charges associated with that portion of the service (i.e., Channel Termination, Channel Mileage and Central Office Port).

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These revisions filed under Transmittal No. 12

ACCESS SERVICE

2. General Regulations (Cont'd)2.6 Definitions

Certain terms used herein are defined as follows:

Access Code

The term "Access Code" denotes a uniform five or seven digit access code assigned by the Telephone Company to an individual customer. The five digit access code has the form 10XXX, and the seven digit code has the form 950-1XXX or 950-0XXX.

Access Minutes

For the purpose of calculating chargeable usage, the term "Access Minutes" denotes customer usage of exchange facilities in the provision of interstate or foreign service. On the originating end of an interstate or foreign call, usage is measured from the time the originating end user's call is delivered by the Telephone Company to and acknowledged as received by the customer's facilities connected with the originating exchange. On the terminating end of an interstate or foreign call, usage is measured from the time the call is received by the end user in the terminating exchange. Timing of usage at both originating and terminating ends of an interstate or foreign call shall terminate when the calling or called party disconnects, whichever event is recognized first in the originating and terminating exchanges, as applicable.

Access Tandem

The term "Access Tandem" denotes a Telephone Company or centralized equal access provider switching system that provides a concentration and distribution function for originating or terminating traffic between end offices and a customer designated premises.

Add/Drop Multiplexing

The term "Add/Drop Multiplexing" denotes a multiplexing function offered in connection with SONET that allows lower level signals to be added or dropped from a high speed optical carrier channel in a wire center. The connection to the add/drop multiplexer is via a channel to a Central Office Port at a specific digital speed (i.e., DS3, DS1, etc.).

Aggregator

The term "Aggregator" denotes any person that, in the ordinary course of its operations, makes telephones available to the public or to transient users of its premises, for interstate telephone calls using a provider of operator services.

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ACCESS SERVICE

2. General Regulations (Cont'd)2.6 Definitions (Cont'd)Customer Designated Premises

The term "Customer Designated Premises" denotes the premises specified by the customer for the provision of Access Service.

Customer Node

The term "Customer Node" denotes the equipment located at a customer designated premises that terminates a high speed optical channel and converts the signal from an optical to an electrical format. Each electrical signal requires a discrete Customer Premises Port connection (I.E., DS1, DS3, STS-1) that allows for the provision of lower level digital signals.

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Data Transmission (107 Type) Test Line

The term "Data Transmission (107 Type) Test Line" denotes an arrangement which provides for a connection to a signal source which provides test signals for one-way testing of data and voice transmission parameters.

Decibel

The term "Decibel" denotes a unit used to express relative difference in power, usually between acoustic or electric signals, equal to ten (10) times the common logarithm of the ratio of two signal powers.

Decibel Reference Noise C-Message Weighting

The term "Decibel Reference Noise C-Message Weighting" denotes noise power measurements with C-Message Weighting in decibels relative to a reference 1000 Hz tone of 90 dB below 1 milliwatt.

Decibel Reference Noise C-Message Referenced to O

The term "Decibel Reference Noise C-Message Referenced to O" denotes noise power in "Decibel Reference Noise C-Message Weighting" referred to or measured at a zero transmission level point.

Detail Billing

The term "Detail Billing" denotes the listing of each message and/or rate element for which charges to a customer are due on a bill prepared by the Telephone Company.

Digital Subscriber Line (DSL)

The term "Digital Subscriber Line (DSL)" denotes an access technology that allows simultaneous voice and high-speed data to be sent over local exchange service Facilities.

Digital Switched 56 Service

A switched access optional feature available with Feature Group D Access, which provides for data transmission at up to 56 Kilobits per second.

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ACCESS SERVICE

2. General Regulations (Cont'd)2.6 Definitions (Cont'd)On-hook

The term "On-hook" denotes the idle condition of Switched Access or a Telephone Exchange Service line.

Open Circuit Test Line

The term "Open Circuit Test Line" denotes an arrangement in an end office which provides an ac open circuit termination of a trunk or line by means of an inductor of several Henries.

Optical Carrier Channel

The term "Optical Carrier Channel" denotes the high speed optical communication path for transporting information utilizing a Synchronous Optical Channel Platform. The channel is provided at transmission rates of 155.52 Mbps (OC3), 622.08 Mbps (OC12), and 2.4 Gbts (OC48).

Optical Carrier Rate (OC-N)

The term "Optical Carrier Rate" denotes the line rate being transmitted on an optical carrier channel. A SONET transmission rate is equivalent to "N" times the OC1 line rate at 51.84 Mbps.

Optical Line Termination

The term "Optical Line Termination" denotes the network interface on the customer designated premises equipment that provides the optical handoff.

Originating Direction

The term "Originating Direction" denotes the use of access service for the origination of calls from an End User Premises to an IC Premises.

Pay Telephone

The term "Pay Telephone" denotes a coin or coinless instrument provided in a public or semipublic place where Payphone Service Provider customers can originate telephonic communications and pay the applicable charges by (1) inserting coins into the equipment, or (2) using a credit card, or (3) third party billing the call or (4) calling collect.

Payphone Service Provider

The term "Payphone Service Provider" denotes an entity that provides pay telephone service, which is the provision of public, semi public or inmate pay telephone service.

Phase Jitter

The term "Phase Jitter" denotes the unwanted phase variations of a signal.

Point of Termination

The term "Point of Termination" denotes the point of demarcation within a customer-designated premises at which the Telephone Company's responsibility for the provision of Access Service ends.

(M) Material formerly appearing on this page now appears on page 2-76
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ACCESS SERVICE

2. General Regulations (Cont'd)2.6 Definitions (Cont'd)Premises

The term "Premises" denotes a building or buildings on continuous property (except Railroad Right-Of-Way, etc.) not separated by a public highway.

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(M)Remote Switching Modules/Systems

The term "Remote Switching Modules/Systems" denotes small, remotely controlled electronic end office switches which obtain their call processing capability from an electronic Host Central Office. The Remote Switching Modules/Systems cannot accommodate direct trunks to an IC.

Return Loss

The term "Return Loss" denotes a measure of the similarity between the two impedances at the junction of two transmission paths. The higher the return loss, the higher the similarity.

Registered Equipment

The term "Registered Equipment" denotes the customer's premises equipment which complies with and has been approved within the Registration Provisions of Part 68 of the F.C.C.'s Rules and Regulations.

(M) Material appearing on this page formerly appeared on Page 2-75

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ACCESS SERVICE

2. General Regulations (Cont'd)2.6 Definitions (Cont'd)Signal Transfer Point (STP)

The term "Signal Transfer Point (STP)" denotes a packet switch which provides access to the Telephone Company's SS7 network and performs SS7 message signal routing and screening.

Signal Transfer Point (STP) Port

The term "Signal Transfer Point (STP) Port" denotes the point of termination and interconnection to the STP.

Singing Return Loss

The term "Singing Return Loss" denotes the frequency weighted measure of return loss at the edges of the voiceband (200 to 500 Hz and 2500 to 3200 Hz), where singing (instability) problems are most likely to occur.

Special Order

The term "Special Order" denotes an order for a Directory Assistance Service.

Subtending End Office of an Access Tandem

The term "Subtending End Office of an Access Tandem" denotes an end office that has final trunk group routing through that tandem.

Super-Intermediate Hub

A wire center at which bridging or multiplexing functions are performed for Customers served by all wire centers in the LATA. A Super Intermediate Hub can be restricted to one or more designated NPAs within a LATA and/or to wire centers that are owned by the same telephone company as the hub. Super Intermediate Hubs and the wire centers they serve are identified in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4.

Synchronous Optical Network (SONET)

The term "SONET" denotes a North American Standard for high speed synchronous optical channels having minimum transmission rates of 51.84 Mbps. The standard SONET optical carrier rate of 51.84 Mbps is called OC1; the electrical equivalent electrical rate is called STS-1. SONET standardizes higher transmission bit rates, "OCN", as exact multiples of OC1 (N x 51.84 Mbps). For example, OC3 equals 3 x 51.84 Mbps.

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Synchronous Test Line

The term "Synchronous Test Line" denotes an arrangement in an end office which performs marginal operational tests of supervisory and ring-tripping functions.

Synchronous Transport Signal

The term "Synchronous Transport Signal" denotes 51.84 Mbps electrical signal used within the SONET optical carrier network. The signal consists of the information content and the overhead used by SONET. The overhead is used for controlling, framing and maintaining the STS signal so it can be directly connected to other SONET carrier channels. STS signals are in exact multiples of 51.84 Mbps (STS-1 is 51.84 Mbps, STS-3 is 155.52 Mbps, etc.).

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(M) Material formerly appearing on this page now appears on Page 2-79

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ACCESS SERVICE

2. General Regulations (Cont'd)2.6 Definitions (Cont'd)Tandem Switched Transport

The term "Tandem Switched Transport" denotes transport from the tandem to the end office, or from the tandem to the end office, that is switched at the tandem.

Terminating Direction

The term "Terminating Direction" denotes the use of Access Service for the completion of calls from an IC premises to an End User Premises.

Terminus Hub

A wire center at which bridging or multiplexing functions are performed only for Customers served directly by the same wire center.

Transmission Measuring (105 Type) Test Line/Responder

The term "Transmission Measuring (105 Type) Test Line/Responder" denotes an arrangement in an end office which provides far-end access to a responder and permits two-way loss and noise measurements to be made on trunks from a near end office.

Transmission Path

The term "Transmission Path" denotes an electrical path capable of transmitting signals within the range of the service offering, e.g., a voice grade transmission path is capable of transmitting voice frequencies within the approximate range of 300 to 3000 Hz. A transmission path is comprised of physical or derived facilities consisting of any form or configuration of plant typically used in the telecommunications industry.

Trunk

The term "Trunk" denotes a communications path connecting two switching systems in a network, used in the establishment of an end-to-end connection.

Trunk Group

The term "Trunk Group" denotes a set of trunks which are traffic engineered as a unit for the establishment of connections between switching systems in which all of the communications paths are interchangeable.

Trunk Side Connection

The term "Trunk Side Connection" denotes the connection of a transmission path to the trunk side of a local exchange switching system.

Two-Wire to Four-Wire Conversion

The term "Two-Wire to Four-Wire Conversion" denotes an arrangement which converts a four-wire transmission path to a two-wire transmission path to allow a four-wire facility to terminate in a two-wire entity (e.g., a central office switch).

(M) Material appearing on this page formerly appeared on Page 2-78.

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5. Access Ordering (Cont'd)5.2 Ordering Requirements (Cont'd)5.2.2 Special Access Service

When placing an order for Special Access Service the customer must specify:

- the customer designated premises or hubs or ADM equipped wire centers involved (C)
- type of service (e.g., Voice Grade, High Capacity, etc.)
- the channel interface(s)
- technical specification package
- options desired
- for multipoint services, the channel interface at each customer designated premises may, at the request of the customer, be different but all such interfaces shall be compatible.
- that the traffic consists of more than ten percent interstate traffic.

All part-time Video and Program Audio services are subject to a service inquiry. A service inquiry is a request to the Telephone Company to determine if facilities exist to provide the service ordered and to determine the service date on which service can be provided to the customer.

Where the Special Access Service is exempt from the Special Access Surcharge, as set forth in 7.3 following the customer shall furnish written certification to that effect as set forth in 7.3.3 following.

When ordering bridging and/or multiplexing, the Customer must specify the telephone company hub(s) from which they desire service. The Customer must specify only those hubs that provide the type of service ordered and interconnect with the wire center(s) from which the customer requires service. The Wire Center section of National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4 identifies hub types (e.g., Digital Data, High Capacity Multiplexing, etc.) and hub levels (i.e., Hub, Terminus Hub, Intermediate Hub and Super-Intermediate Hub). Additionally, the Subtending section of Tariff F.C.C. No. 4 identifies wire centers and the Intermediate and/or Super-Intermediate Hubs with which they interconnect.

*

*

There is a Special Access Optional Rate Plan for Synchronous Optical Channel Service. The Synchronous Optical Channel Service Optional Rate Plan is a Term Discount plan. When ordering a Synchronous Optical Channel Service Term Discount Optional Rate Plan or an upgrade to the plan, discontinuance charges, as specified in 7.2.8 following, will not apply if the conditions set forth in the following are met:

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The customer's order for the disconnection of the existing OC3/OC12 Service and the installation of the new OC12/OC48 Service are received at the same time and specifically reference the application of upgrade in capacity.

The customer's disconnect order for the existing OC3/OC12 Service must reference the OC12/OC48 Service Installation Order.

(N)

* Issued under authority of Special Permission No. 98-109 of the Federal Communications Commission.

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5. Access Ordering (Cont'd)5.2 Ordering Requirements (Cont'd)5.2.2 Special Access Service (Cont'd)

Customer orders to install and disconnect OC3 or OC12 services provided under a Term Discount Plan where the number of OC3 or OC12 remains constant and the customer wishes to maintain the existing Term Discount period and minimum service period must:

Be received at the same time.

Reference continuation of the existing Term Discount period and the minimum service period on both the installation and disconnect orders.

(N)

(N)

5.2.3 WATS or WATS-Type Services

Special Access Service may be ordered for connection with FGA, FGB, FGC or FGD Switched Access Service at Telephone Company designated WATS Serving Offices (WSOs) for the provision WATS or WATS-type Services and may be ordered separately by a customer other than the customer which orders the FGA, FGB, FGC or FGD Switched Access Service. For the Special Access Service the customer shall specify:

- the customer designated premises at which the Special Access service terminates
- the type of line (i.e., two-wire or four-wire)
- the type of calling (i.e., originating, terminating or two-way)
- type of Supervisory Signaling.

When the optional screening, switching and/or recording functions are not provided at the customer serving wire center, Channel Mileage, as set forth in 7.2.1 following, must be ordered between that wire center and the nearest WSO where the screening, switching and/or recording functions can be provided.

5.2.4 Mixed Use Facilities - Switched and Special Access

Mixed use is the provision of both Switched and Special Access Services over the same High Capacity facilities. Mixed use facilities to a hub will be ordered and provided as Special Access Service. Where mixed use is employed, individual services utilizing these facilities must be ordered either as Switched Access Service or Special Access Service as further elaborated and set forth in 6.4.7 and 7.2.7 following. When placing the order for the individual service(s), the customer must specify a channel assignment for each service ordered.

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7. Special Access Service7.1 General

Special Access Service provides a transmission path to connect customer designated premises*, directly, through a Telephone Company hub or hubs where bridging or multiplexing functions are performed, or to connect a customer designated premises and a WATS Serving Office or to connect a customer designated premises to an ADSL Access Service Connection Point. Special Access Service includes all exchange access not utilizing Telephone Company end office switches.

The connections provided by Special Access Service can be either analog or digital. Analog connections are differentiated by spectrum and bandwidth. Digital connections are differentiated by bit rate.

7.1.1 Channel Types

There are seven types of channels used to provide Special Access Services. Each type has its own characteristics. All are subdivided by one or more of the following:

(C)

- Transmission specifications,
- Bandwidth,
- Speed (i.e., bit rate),
- Spectrum

Customers can order a basic channel and select from a list of those available transmission parameters and channel interfaces that they desire in order to meet specific communications requirements.

For purposes of ordering channels, each has been identified as a type of Special Access Service. However, such identification is not intended to limit a customer's use of the channel nor to imply that the channel is limited to a particular use. For example, if a customer's equipment is capable of transmitting voice over a channel that is identified as a Telegraph Service in this tariff, there is no restriction against doing so.

* Telephone Company Centrex CO and CO-like switches and packet switches included in Public Packet Switching Network (PPSN) Service are considered to be a customer designated premises for purposes of this tariff.

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ACCESS SERVICE

7. Special Access Service (Cont'd)7.1 General (Cont'd)7.1.1 Channel Types (Cont'd)

Following is a brief description of each type of channel:

Telegraph Grade - a channel for the transmission of binary signals at rates of 0 to 75 baud or 0 to 150 baud.

Voice Grade - a channel for the transmission of analog signals within an approximate bandwidth of 300 to 3000 Hz.

Program Audio - a channel for the transmission of audio signals. The nominal frequency bandwidths are from 200 to 3500 Hz, from 100 to 5000 Hz, from 50 to 8000 Hz, or from 50 to 15000 Hz.

Video - a channel for the transmission of standard 525 line 60 field monochrome or National Television Systems Committee color video signal and one or two associated 5 or 15 kHz audio signals. The bandwidth is either 30 Hz to 4.5 MHz or 30 Hz to 6.6 MHz.

Digital Data - a channel for the digital transmission of synchronous serial data at rates of 2.4, 4.8, 9.6 or 56 kpbs.

High Capacity - a channel for the transmission of isochronous serial digital data at rates of 1.544, 3.152, 6.312, 44.736 or 274.176 Mbps.

Synchronous Optical - A high speed channel for the transmission of synchronous full duplex data over optical fiber at rates of 155.52 Mbps, 622.08 Mbps or 2.4 Gbps.

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7. Special Access Service (Cont'd)7.1 General (Cont'd)7.1.1 Channel Types (Cont'd)

Detailed descriptions of each of the channel types are provided in 7.4 through 7.9 following.

The customer also has the option of ordering Voice Grade and High Capacity facilities (i.e., 1.544 Mbps, 3.152 Mbps, 6.312 Mbps, 44.736 Mbps and 274.176 Mbps) to Telephone Company hubs for multiplexing to individual channels of a lower capacity or bandwidth. Descriptions of the types of multiplexing available at the hubs, as well as the number of individual channels which may be derived from each type of facility are set forth in 7.9 following. Additionally, the customer may specify optional features for the individual channels derived from the facility to further tailor the channel to meet specific communications requirements. Descriptions of the optional features and functions available are set forth in 7.2.1 following.

For example, a customer may order a 3.152 Mbps High Capacity channel from a customer designated premises to a Telephone Company hub for multiplexing to two 1.544 Mbps channels. The 1.544 Mbps channels may be further multiplexed at the same or a different hub to Voice Grade channels or may be extended to other customer designated premises or hubs. Optional features may be added to either the 1.544 Mbps or the Voice Grade channels.

Synchronous Optical Channel Service provides the customer with the option of ordering Add/Drop Multiplexing at a suitably equipped wire center. This allows lower level signals to be added or dropped from a high speed optical carrier channel for delivery to a customer premises. A description of Add/Drop Multiplexing is set forth in 7.10.2 (C) following.

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7. Special Access Service (Cont'd)7.1 General (Cont'd)7.1.2 Service Descriptions

For the purposes of ordering, there are six categories of Special Access Service. These are:

Service Designator Codes

Telegraph Grade	TG
Voice	VG
Program Audio	AP
Video	TV
Digital Data	DA
High Capacity	HC
Synchronous Optical	HO

(N)

Each service consists of a basic channel to which a technical specifications package (customized or predefined), channel interface(s) and, when desired, optional features and functions are added to construct the service desired by the customer. Technical specifications packages are described in Section 15. following, optional features and functions are described in this section. Channel interfaces are described in 15.2 following.

Customized technical specifications packages will be provided where technically feasible. If the Telephone Company determines that the requested parameter specifications are not compatible, the customer will be advised and given the opportunity to change the order.

When a customized channel is ordered the customer will be notified whether Additional Engineering Charges apply. In such cases, the customer will be advised and given the opportunity to change the order.

The channel descriptions provided in 7.4 through 7.9 following, specify the characteristics of the basic channel and indicate whether the channel is provided between customer designated premises, between a customer designated premises and a Telephone Company hub where bridging or multiplexing functions are performed, between hubs, or between a customer designated premises and a WATS Serving Office or between a customer designated premises and an ADSL Access Service Connection Point

(C)

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7. Special Access Service (Cont'd)7.1 General (Cont'd)7.1.2 Service Descriptions (Cont'd)

- (E) The Telephone Company will maintain services installed prior to April 1, 1985, at their existing transmission specifications provided such performance specifications do not exceed the standards listed in this provision. Those services exceeding the standards listed will be maintained at the performance levels specified in this tariff.
- (F) All services installed after April 1, 1985 will conform to the transmission specifications standards contained in this tariff or in the following Technical References for each category of service:
- | | | |
|---------------------|---------------------------------------|-----|
| Telegraph Grade | TR-NPL-000336 | |
| Voice Grade | TR-TSY-000335 | |
| | PUB 41004, Table 4 | |
| Program Audio | TR-NPL-000337 and associated Addendum | |
| Video | TR-NPL-000338 | |
| Digital Data | TR-NPL-000341 and associated Addendum | |
| | PUB 62310 | |
| High Capacity | TR-INS-000342 | |
| | PUB 62411 | |
| Synchronous Optical | GR-253-CORE | (N) |
| For OC3, OC12, OC48 | GR-1374-CORE | |
| | ANSI T1.105 | (N) |
| | ANSI T1.102 | |

7.1.3 Service Configurations

There are two types of service configurations over which Special Access Services are provided: two-point service and multipoint service.

(A) Two-Point Service

A two-point service connects two customer designated premises, either on a directly connected basis or through a hub where multiplexing functions are performed, or a customer designated premises and an ADSL Access Service Connection Point, or a customer designated premises and a WATS Serving Office (WSO).

Applicable rate elements are:

- Channel Terminations
- Channel Mileage (as applicable)
- Optional Features and Functions (when applicable)

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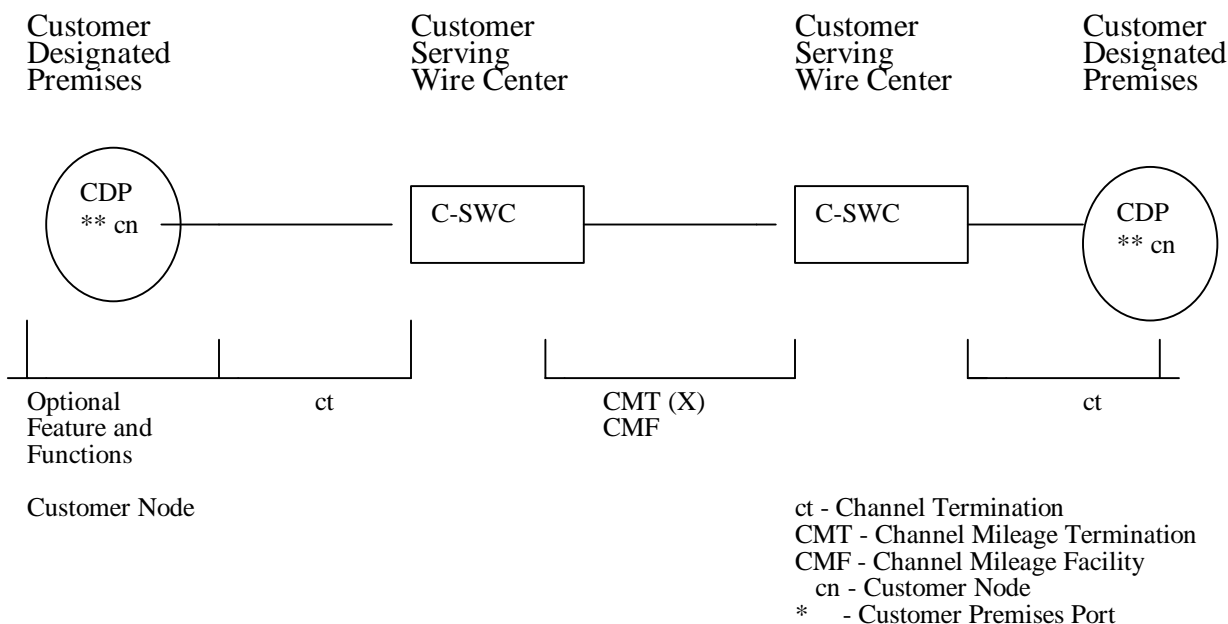
7. Special Access Service (Cont'd)7.1 General (Cont'd)7.1.3 Service Configurations (Cont'd)(C) Synchronous Optical Channel Service

Synchronous Optical Channel Service connects two customer designated premises or a customer designated premises and a wire center equipped with Add/Drop Multiplexing. The connection is provided via a high speed optical carrier communication path delivering an optical handoff.

Applicable rate elements are:

- Channel Terminations
- Channel Mileage (where applicable)
- Optional Features and Functions

- (1) The following diagram depicts a Synchronous Optical Channel Service connecting two customer designated premises (CPD). The optional Feature and Function of a Customer Node was ordered at one CPD.



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7. Special Access Service (Cont'd)7.1 General (Cont'd)7.1.3 Service Configurations (Cont'd)(C) Synchronous Optical Channel Service (Cont'd)

(N)

Applicable rate elements are:

- Channel Terminations (applicable one (1) per CPD)
- Channel Mileage
 - 2 Channel Mileage Terminations plus
 - 1 Section, Channel Mileage Facility per mile
- Customer Node Optional Feature
 - (1 Customer Node applicable and 3 Customer Premises Ports applicable i.e., each port)

(N)

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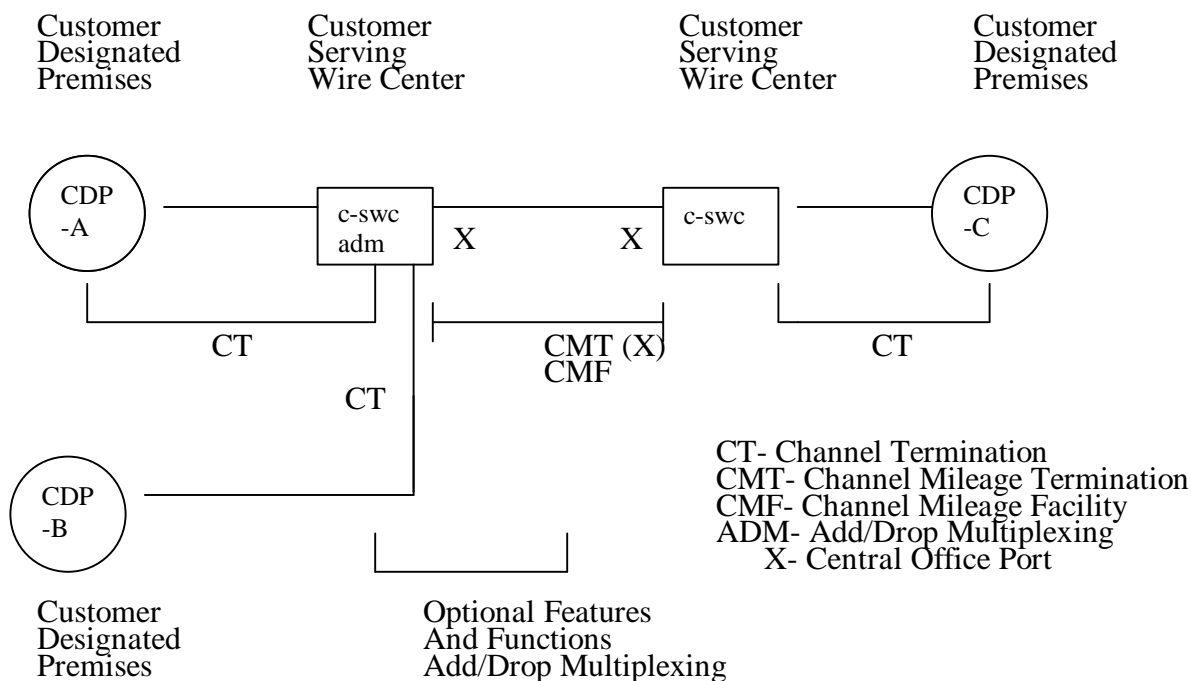
7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.3 Service Configurations (Cont'd)

(C) Synchronous Optical Channel Service (Cont'd)

(2) The following diagram depicts a Synchronous Optical Channel Service connecting three Customer Designated Premises. CPD-A and CPD-B are connected using an Add/Drop Multiplexer. At the Add/Drop Multiplexer, the customer may drop off lower speed special access services. Rates and charges are set forth in 17.4.7 , 18.4.7 and 19.4.7



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7. Special Access Service (Cont'd)7.1 General (Cont'd)7.1.3 Service Configurations (Cont'd)

(C) Synchronous Optical Channel Service (Cont'd)

(2) (Cont'd)

Applicable rate elements are:

- Channel Terminations (applicable 1 per CPD)
- Channel Termination Mileage Charge if applicable
- Channel Mileage
- Channel Mileage Termination (2 applicable)
- 1 Section, Channel Mileage Facility per mile
- Add/Drop Multiplexing Optional Feature
- (1 Central Office Port applicable, i.e., each port)

(N)

(N)

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7. Special Access Service (Cont'd)7.2 Rate Regulations

This section contains the specific regulations governing the rates and charges that apply for Special Access.

7.2.1 Rate Categories

There are three basic rate categories which apply to Special Access Service:

- Channel Terminations (described in 7.2.1(A) following)
- Channel Mileage (described in 7.2.1(B) following)
- Optional Features and Functions (described in 7.2.1(C) following).

(A) Channel Termination

The Channel Termination rate category recovers the costs associated with the communications path between a customer designated premises and the serving wire center of that premises. Included as part of the Channel Termination is a standard channel interface arrangement which defines the technical characteristics associated with the type of facilities to which the access service is to be connected at the Point of Termination (POT) and the type of signaling capability, if any. The signaling capability is provided as an optional feature as set forth in (C) following.

For Synchronous Optical Channel Service the high speed optical communication path is between the Optical Line Termination (OLT) at the customer designated premises and the serving wire center of that premises.

One Channel Termination charge applies per customer designated premises at which the channel is terminated. This charge will apply even if the customer designated premises and the serving wire center are collocated in a Telephone Company building.

For 1.544 Mbps or 44.736 Mbps High Capacity Service connecting a customer designated premises to an ADSL Access Service Connection Point as described in Section 8, following, there will be a charge for only one Channel Termination.

For SONET Service, a Channel Termination Mileage charge applies for channel terminations over three (3) miles.

For a 1.544 Mbps or 44.736 Mbps High Capacity Service or for an OC3/OC3c Synchronous Optical Channel Service connecting a customer designated premises to an ADSL Access Service Connection Point as described in Section 8, following, there will be a charge for only one Channel Termination.

(N)
|
(N)

(N)
|
(N)

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ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Rate Regulations (Cont'd)7.2.1 Rate Categories (Cont'd)(B) Channel Mileage

The Channel Mileage rate category recovers the costs associated with the end office equipment and the transmission facilities between the serving wire centers associated with two customer designated premises, between a serving wire center associated with a customer designated premises and a Telephone Company hub or between two Telephone Company hubs. Channel Mileage rates are made up of the Channel Mileage Facility rate and the Channel Mileage Termination rate.

(1) Channel Mileage Facility

The Channel Mileage Facility rate recovers the per mile cost for the transmission path which extends between the Telephone Company serving wire centers and/or hub(s).

The Synchronous Optical Channel Service Mileage Facility provides high speed transmission facilities between the Telephone Company serving wire centers or between a Telephone Company serving wire center and another serving wire center equipped for Add/Drop Multiplexing (ADM) or between two ADM equipped wire centers.

(N)

(N)

(2) Channel Mileage Termination

The Channel Mileage Termination rate recovers the cost for end office equipment associated with terminating the facility (i.e., basic circuit equipment and terminations at serving wire centers and hubs). The Channel Mileage Termination rate will apply at the serving wire center(s) for each customer designated premises and Telephone Company hub where the channel is terminated. If the Channel Mileage is between Telephone Company bridging hubs, the Channel Mileage Termination rate will apply per Telephone Company designated hub. If the Channel Mileage is between the serving wire center for a customer designated premises and a WATS Serving Office, the Channel Mileage Termination rate will apply at both the serving wire center associated with the customer designated premises and the WATS Serving Office.

If the Channel Mileage for Synchronous Optical Channel Service is between the serving wire center for customer designated premises and a wire center equipped for Add/Drop Multiplexing, the Channel Mileage Termination Rate will apply at both the serving wire center associated with the Customer Designated Premises and the wire center equipped with Add/Drop Multiplexing. If the Channel Mileage is between two wire centers equipped for Add/Drop Multiplexing, the Channel Mileage Termination rate will apply at both wire centers equipped with Add/Drop Multiplexing.

(N)

(N)

When the Channel Mileage Facility is zero (i.e., collocated serving wire centers), neither the Channel Mileage Facility rate nor the Channel Mileage Termination rate will apply.

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ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Rate Regulations (Cont'd)7.2.3 Moves (Cont'd)(B) Moves To a Different Building

Moves to a different building will be treated as a discontinuance and start of service and all associated nonrecurring charges will apply. New minimum period requirements will be established for the new services. The customer will also remain responsible for satisfying all outstanding minimum period charges for the discontinued service.

7.2.4 Minimum Periods

The minimum service period for all services except part-time Video and Program Audio services and Synchronous Optical Channel Service is one month and the full monthly rate will apply to the first month. Adjustments for the quantities of services established or discontinued in any billing period beyond the minimum period are as set forth in 2.4.1(F) preceding. The minimum service period for part-time Video and Program Audio services is a continuous 24-hour period, not limited to a calendar day. The minimum service period for Synchronous Optical Channel Service is twelve months.

(C)

(C)

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ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Rate Regulations (Cont'd)7.2.5 Mileage Measurement (Cont'd)

When hubs are involved, mileage is computed and rates applied separately for each section of the Channel Mileage, i.e.,

- customer designated premises serving wire center to hub,
- hub to hub and/or
- hub to customer designated premises serving wire center.

However, when any service is routed through a hub for purposes other than customer specified bridging or multiplexing (e.g., the Telephone Company chooses to so route for test access purposes), rates will be applied only to the distance calculated between the serving wire centers associated with the customer designated premises.

See the service configuration example for multipoint service as set forth in 7.1.3(B) preceding.

When Add/Drop Multiplexing is offered in connection with Synchronous Optical Channel Service, mileage is computed and rates applied separately for each section of Channel Mileage, i.e.,

- customer designated premises serving wire center to an Add/Drop Multiplexing (ADM) equipped wire center
- ADM equipped wire center to ADM equipped wire center
- ADM equipped wire center to a customer designated premises serving wire center.

(N)

(N)

7.2.6 Facility Hubs

A customer has the option of ordering Voice Grade service or High Capacity services (i.e., DS1, DS1C, DS2, DS3 or DS4) to a facility hub for channelizing to individual services requiring lower capacity facilities (e.g., Telegraph, Voice, Program Audio, etc.).

Different locations may be designated as hubs for different facility capacities, e.g., multiplexing from digital to digital may occur at one location while multiplexing from digital to analog may occur at a different location. When placing an Access Order the customer will specify the desired hub.

NATIONAL EXCHANGE CARRIER ASSOCIATION, INC.
TARIFF F.C.C. NO. 4 identifies serving wire centers, hub locations, hub level (i.e., Hub, Terminus Hub, Intermediate Hub, or Super-Intermediate Hub) and the type of multiplexing functions available. Additionally, subtending wire centers are identified for Intermediate and Super- Intermediate Hubs.

*
*

* Issued under authority of Special Permission No. 98-109 of the Federal Communications Commission.

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ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Rate Regulations (Cont'd)7.2.8. High Capacity Optional Rate Plans (Cont'd)(B) Synchronous Optical Channel Service Optional Rate Plan

(N)

The Synchronous Optical Channel Service Optional Rate Plan is a Term Discount. The Term Discount applies to Channel Terminations, Channel Mileage and Optional Features and Functions monthly rates, as set forth in 17.4.7 , 18.4.7 and 19.4.7.

Discounts for the Synchronous Optical Channel Service Optional Rate plan are only applied to Synchronous Optical Channel Service provided to a customer within the same state and LATA by the same Telephone Company.

OC3, OC12, and OC48 Synchronous Optical Channel Service may be ordered at the customer's option on a monthly basis or for Term Discount periods of 36 months (3 years or 60 months (5 years)).

The minimum service period for all Term Discount plans is twelve months. The customer must specify the length of the service commitment period at the time the service is ordered.

For customers that subscribe to the Term Discount Plan for 36 or 60 months, the Term Discount rates will be frozen from Company initiated decreases, for the entire discount period at the percent in effect at the beginning of the Term Discount period.

If a Term Discount percentage increase occurs during the term of an existing Term Discount plan, the increase percentage will be applied automatically to the remainder of the current Term Discount period.

(N)

These revisions filed under Transmittal No. 12

ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Rate Regulations (Cont'd)7.2.8. High Capacity Optional Rate Plans (Cont'd)(B) Synchronous Optical Channel Service Optional Rate Plan (Cont'd)

At the end of the Term Discount period, the customer may convert to month-to-month service or subscribe to a new Term Discount plan. If the customer does not make a choice by the end of the discount period, the rates will automatically convert to month-to-month service rates. The minimum service period on a monthly basis is twelve months for Synchronous Optical Channel Service.

To be included in a Term Discount plan, all eligible Synchronous Optical Channel Service rate elements must be ordered for the same rate commitment term (i.e., all 36 months or 60 months) and with the same service date. When additional capacity is subsequently added, it will be available only on a month-to-month basis unless the discount period of the entire service is upgraded.

Eligible OC3/OC12 or OC48 Synchronous Optical Channel Service rate elements are those Channel Terminations, Channel Mileage Facility, Channel Mileage Terminations, Customer Nodes, Customer Premises Port and Central Office Ports provided to a customer within the same state and LATA by the same Telephone Company. As long as the number of OC3, OC12 or OC48 included in a Term Discount plan remains constant, customer requests to install and disconnect OC3, OC12 or OC48 services, including changes affecting different wire centers and/or customer designated premises, will not change the current Term Discount period or the minimum service period, and Discontinuance of Service charges as set forth in 7.2.8 (B) (3) following will not apply.

(N)

(N)

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ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Rate Regulations (Cont'd)7.2.8. High Capacity Optional Rate Plans (Cont'd)(B) Synchronous Optical Channel Service Optional Rate Plan (Cont'd)

(N)

(1) Upgrades in Term Discounts

Services provided under the monthly rates or Term Discount rates may be upgraded to a Term Discount plan at any time without incurring nonrecurring charges or discontinuance charges for existing services. The new Term Discount plan must meet or exceed the service term of the plan being upgraded. For example, a service with a 36 month commitment period may be upgraded to a new 36 or 60 month service period. The monthly rates will be those that are in effect at the time the service is upgraded. A new minimum service period applies to all Synchronous Optical Channel Service that is upgraded.

(2) Upgrades in Capacity (OC3 to OC12 and/or OC48)

If the customer chooses to upgrade a service under the Term Discount Rate Plan to a higher capacity (i.e., OC3 to OC12 and/or OC48), discontinuance charges will not apply, provided all of the following are met:

- the customer's order for the disconnect of the existing OC3/OC12 Service and the installation of the new OC12/OC48 Service are received at the same time and specifically reference the application of upgrade in capacity.
- the customer's disconnect order for the existing OC3/OC12 Service must reference the OC12/OC48 Service installation order,
- the new service has a total channel capacity greater than the total channel capacity of the service being discontinued and,
- the new Term Discount period meets or exceeds the Term Discount period being discontinued.

A new minimum service period applies to all upgrades. Nonrecurring charges will not be assessed when an existing OC3, OC12 and/or OC48 Service is upgraded to an equivalent channel capacity at a higher speed.

Should the customer choose to upgrade either a portion of, or the entire OC3 and/or OC12 service under the Term Discount plan to an OC 12 and/or OC48 Service and move the service to a new customer location(s) within the same state and LATA, and when service is provided by the same Telephone Company, discontinuance charges will not apply.

(N)

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ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Rate Regulations (Cont'd)7.2.8. High Capacity Optional Rate Plans (Cont'd)(B) Synchronous Optical Channel Service Optional Rate Plan (Cont'd)(3) Discontinuance of Service

If the customer chooses to disconnect all or a portion of the service prior to the expiration of the Term Discount period, discontinuance charges will apply to the portion of the service being discontinued.

Should the customer choose to discontinue a Term Discount Plan prior to the completion of the minimum service period, discontinuance charges will apply. Discontinuance charges equal to one-hundred percent of the total undiscounted monthly rates, less any amounts previously paid, will apply for the minimum service period. Additionally, discontinuance charges of fifteen percent for the OC3 and fifty percent for the OC12 or OC48 service, of the total undiscounted monthly charges will apply to the remaining portion of the discount service term.

Should the customer choose to discontinue service ordered under a Term Discount plan after the minimum service period but before completion of the discount period, discontinuance charges will apply. Discontinuance charges of fifteen percent for OC3 Service and fifty percent for OC12 or OC48 Service, of the undiscounted monthly charges will apply to the remaining portion of the discount period. For example, a customer has an OC3 service which it chooses to disconnect after 33 months into a 60 month service term. The discontinuance charge would be 0.15 times 27 months times the undiscounted monthly rate for that service.

(N)

(N)

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ACCESS SERVICE

7. Special Access Service (Cont'd)7.9 High Capacity Service (Cont'd)7.9.3 Optional Features and Functions (Cont'd)(C) Central Office Multiplexing (Cont'd)(7) DS0 to Subrate

An arrangement that converts a 64.0 Kbps channel to subspeeds of up to twenty 2.4 Kbps, ten 4.8 Kbps, or five 9.6 Kbps channels using digital time division multiplexing.

The table set forth in 15.2.1(G) following shows the technical specifications packages with which the optional features and functions are available.

(E) ADSL Access Service Connection

- (1) The ADSL Access Service Connection function provides for the interconnection of a 1.544 Mbps or 44.736 Mbps High Capacity Service as described in Section 8, following.

Rates and charges for the ADSL Access Service Connection function are as set forth in Section 17, following. This function applies to each 1.544 Mbps or 44.736 Mbps High Capacity Service terminated at an ADSL Access Service Connection Point.

- (2) The ADSL Access Service Connection function provides for the interconnection of a customer's Ethernet-based local area network (LAN) with ADSL Access Service as described in Section 8.1, following and Technical Reference ANSI T1.413-1998. This function provides the ability to transmit data at speeds of up to 10 Mbps (i.e., 10BASE-T or 100 Mbps (i.e., 100BASE-T) over distances no greater than 300 feet as specified in Technical Reference IEEE Std. 802.3, Part 3, Clause 14 for 10BASE-T and Clauses 21 and 29 for 100BASE-T.

Rates and charges for the 10BASE-T and 100BASE-T are set forth in Section 17.3.7 (E), Section 18.3.7 and Section 19.3.7 (E).

(N)

(N)

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ACCESS SERVICE

7. Special Access Service (Cont'd)7.9 High Capacity Service (Cont'd)7.9.3 Optional Features and Functions (Cont'd)(F) Shared SONET Ring Interoffice Transport

- (1) Shared SONET Ring Interoffice Transport (SSRIT) is a non-chargeable optional feature which provides interoffice transmission of a DS3 High Capacity Service over SONET-based facility deployed in a ring configuration. Shared SONET Ring Interoffice Transport provides increased reliability and functionality using self-healing ring topology designed to continually monitor service quality, detect any failure within the system, and automatically self-heal within 50 milliseconds around a point of failure by switching to a protect path to ensure the flow of services between locations within the self-healing ring.
- (2) Shared SONET Ring Interoffice Transport is provided for the interoffice portion of DS3 High Capacity Service, subject to availability of SONET ring facilities. The wire centers offering Shared SONET Ring Interoffice Transport are identified in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC., WIRE CENTER INFORMATION, TARIFF NO. 4.
- (3) The Shared SONET Ring Interoffice Transport optional feature may be ordered at the same time the DS3 High Capacity service is ordered or it may be ordered as an addition to an existing DS3 High Capacity Service. The customer must agree to out-of-service periods required to add this feature to an existing DS3 High Capacity Service. The charges for the Shared SONET Ring Interoffice Transport optional feature are set forth in 7.10.2 (D) following.

(N)

(N)

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ACCESS SERVICE

7. Special Access Service (Cont'd)7.10 Synchronous Optical Channel Service

(N)

7.10.1 Basic Channel Description

A Synchronous Optical Channel Service channel provides dedicated transport utilizing Synchronous Optical Network (SONET) transmission standards. Synchronous Optical Channel Service provides optical network capability to customers requiring connections at transmission rates of 155.52 Mbps (OC3), 622.08 Mbps (OC12), and 2.4 Gbps (OC48). Synchronous Optical Channel Service is provided between two customer designated premises (CPD) through one or more Telephone Company wire centers or between a CPD and a wire center equipped with Add/Drop Multiplexing (ADM). In addition, customers at an ADM equipped wire center may add or drop bandwidth capacity from synchronous optical channel for delivery to a customer designated premises, WATS office, Public Packet Data Network Service, or another wire center.

Synchronous Optical Channel Service may also be provided between a customer designated premises and a Telephone Company DSL Access Service Connection Point.

Each channel will be configured with one working and one protected fiber pair within the same sheath between the CPD and the serving wire center of the CPD which provides redundancy to protect the customers service. Should a failure occur, the SONET technology will automatically switch the customer's transmission to the dedicated fiber pair.

The customer may provide node and port equipment at the CPD which allows the high speed optical carrier channel to be converted to an electrical signal at a lower speed. The provision of such equipment by the customer is subject to compatibility with the Telephone Company's equipment in the serving wire center and must comply with the standards specified in GR-253-CORE.

The Synchronous Optical Channel is available in a non-concatenated format which provides three individual signals. The Synchronous Optical Channel is also available in a concatenated format which provides a single signal for data transmissions.

(N)

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ACCESS SERVICE

7. Special Access Service (Cont'd)7.10 Synchronous Optical Channel Service

(N)

7.10.1 Basic Channel Description

A term discount is available for Synchronous Optical Channel Service rate elements and optional features and functions.

Synchronous Optical Channel Service is available at the wire centers as identified in NATIONAL CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4.

Rates and charges for Synchronous Optical Channel Service are set forth in 17.4.7, 18.4.7 and 19.4.7.

(N)

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ACCESS SERVICE

7. Special Access Service (Cont'd)7.10 Synchronous Optical Channel Service

(N)

7.10.2 Network Channel Interfaces

Compatible channel interfaces for Synchronous Optical Channel Service are set forth in 15.2.2 (C) (8) following.

The following network channel interfaces (NCIs) define the bit rates that are available for synchronous optical channel:

<u>NCI</u>	<u>Bit Rate</u>
FCF-B	155.52 Mbps (OC3,OC3c)
FCF-D	622.08 Mbps (OC12)
	2.4 Gbts (OC48)

7.10.3 Optional Features and Functions

(A) Customer Node

A customer node charge applies when the Telephone Company provides terminal equipment at the customer designated premises for termination of a Synchronous Optical Channel Service Channel Termination. Such equipment may be used to convert the signal from an optical to electrical format. The customer node charge is determined by the level of optical signal (i.e., OC3, OC3c, OC12 or OC48) delivered to the premises. Each Customer Node must be configured with one or more Customer premises Ports.

Rates and charges for the Customer Node are set forth in 17.4.7 (D) (1), 18.4.7 (D) (1) and 19.4.7 (D) (1) following.

(N)

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ACCESS SERVICE

7. Special Access Service (Cont'd)7.10 Synchronous Optical Channel Service

(N)

7.10.2 Optional Features and Functions (Cont'd)(B) Customer Premises Port

Customer Premises Port charges apply in conjunction with the Customer Node charge. Each Customer Premises Port provides the interface to derive a lower capacity service at the customer premises. The type and quantity of ports is determined by the customer and is based on the type of Customer Node selected and the number of DS1, DS3, STS-1 and/or OC3/OC3c etc. channels ordered. Customer Premises Ports are available at the following speeds:

<u>Customer Premises Ports</u>	<u>Speed</u>
OC12	622.08 Mbps
OC3, OC3c	155.52 Mbps
STS-1	51.84 Mbps
DS3	44.736 Mbps
DS1	1.544 Mbps

Rate and charges for the Customer Premises Port are set forth in 17.4.7 (D) (2), 18.4.7 (D) (2) and 19.4.7 (D) (2) following.

(C) Add/Drop Multiplexing

An Add/Drop Multiplexing Central Office Port charge applies to the interface provided at the Telephone Company wire center for the purpose of adding or dropping lower capacity services from Synchronous Optical Channel Service Channel Termination or Channel Mileage transport facilities. Central Office Ports are available in the following speeds:

<u>Central Office Port</u>	<u>Speed</u>
OC12	622.08 Mbps
OC3, OC3c	155.52 Mbps
STS-1	51.84 Mbps
DS3	44.736 Mbps
DS1	1.544 Mbps

OC48 service may only be multiplexed to OC12. OC12 service may only be multiplexed to OC3/ OC3c channels.

(N)

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ACCESS SERVICE

7. Special Access Service (Cont'd)7.10 Synchronous Optical Channel Service7.10.2 Optional Features and Functions (Cont'd)

- (C) When an OC12/OC3 channel is derived from an OC48/OC12 service and is further multiplexed to obtain DS3 service, a DS3 port charge will apply in addition to the OC12/OC3 port charge.

When a DS3 channel is derived from an OC3 service and is further multiplexed to obtain DS1 service, a DS3 to DS1 Multiplexing charge as set forth in 17.6.9 (D) (3) will apply in addition to the DS3 Port Charge.

When a DS1 channel is directly derived from an OC3 service, a DS1 port charge will apply.

When a DS1 channel is further multiplexed to a lower level signal, a DS1 to Voice Grade Multiplexing charge as set forth in 17.4.7 (D) (3) , 18.4.7 (D) (3) and 19.4.7 will also apply.

Rates and charges for the Central Office Port are set forth in 17.4.7 (D) (3) , 18.4.7 (D) (3) and 19.4.7 (D) (3) following.

(N)

(N)

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ACCESS SERVICE

7. Special Access Service (Cont'd)7.10 Synchronous Optical Channel Service7.10.2 Optional Features and Functions (Cont'd)

(N)

(D) Shared SONET Ring Interoffice Transport

- (1) Shared SONET Ring Interoffice Transport (SSRIT) is a non-chargeable optional feature which provides interoffice transmission of a Synchronous Optical Channel Service over SONET-based facility deployed in a ring configuration. Shared SONET Ring Interoffice Transport provides increased reliability and functionality using self-healing ring topology designed to continually monitor service quality, detect any failure within the system, and automatically self-heal within 50 milliseconds around a point of failure by switching to a protect path to ensure the flow of services between locations within the self healing ring.
- (2) Shared SONET Ring Interoffice Transport is provided for the interoffice portion of Synchronous Optical Channel Service, subject to availability of SONET ring facilities. The wire centers offering Shared SONET Ring Interoffice Transport are identified in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC., WIRE CENTER INFORMATION, TARIFF F.C.C. NO. 4.
- (3) The Shared SONET Ring Interoffice Transport optional feature may be ordered at the same time the Synchronous Optical Channel Service is ordered or it may be ordered as an addition to an existing Synchronous Optical Channel Service. The customer must agree to out-of-service periods required to add this feature to an existing Synchronous Optical Channel Service. The charges for the Shared SONET Ring Interoffice Transport optional feature are set forth in 7.10.2 (D) (1) preceding.

(N)

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ACCESS SERVICE

7. Special Access Service (Cont'd)7.10 Synchronous Optical Channel Service7.10.2 Optional Features and Functions (Cont'd)(E) DSL Access Service Connection

The DSL Access Service Connection function provides for the interconnection of an OC3/OC3c Synchronous Optical Channel Service with ADSL Access Service as described in 8.1, following and Technical Reference ANSI T1.413-1998.

Rates and charges for the DSL Access Service Connection function are set forth in 17.4.7 (D) (5) , 18.4.7 (D) (5) and 19.4.7 (D) (5) following. This function applies to each OC3/OC3c Synchronous Optical Channel terminating at an DSL Access Service Connection Point.

(N)

(N)

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ACCESS SERVICE

8. Digital Subscriber Line Access Services (Cont'd)8.1 Asymmetric Digital Subscriber Line Access Service (ADSL) (Cont'd)8.1.5 Rate Regulations (Cont'd)(D) Rate Categories

There are three types of rates and charges applicable to ADSL Access Service. These are a monthly rate, a nonrecurring charge and a network reconfiguration charge.

The monthly rate applies each month or fraction thereof for each local exchange service line equipped with ADSL Access Service.

A nonrecurring charge applies per local exchange service line for the installation of ADSL Access Service.

Rates and charges for ADSL Access Service are as set forth at 17.4.6(A)(1) and 18.4.6(A)(1), following.

All changes to existing ADSL Access Service (e.g., a change of telecommunications service provider and restoral of ADSL Access Service following a disconnect for non-payment of charges and/or a disconnect of the local exchange service line for any reason), other than changes involving DSL network reconfigurations and administrative activities, will be treated as a discontinuance of the existing service and an installation of a new service. A non-recurring charge will apply per ADSL Access Service line for this work activity.

A DSL Network Reconfiguration Charge applies when the ADSL Access Service Customer's telecommunications service provider requests the Telephone Company's network to: 1) accommodate a change in the ADSL Access Service customer's existing IP address or 2) limit the data speed delivered over the customer's existing ADSL Access Service line. A nonrecurring charge applies for each request per ADSL Access Service line. The Telephone Company will bill the DSL Network Reconfiguration Charge to the ADSL Access Service customer's telecommunications service provider.

All changes to existing ADSL Access Service (including but not limited to change of telecommunications provider), other than changes involving DSL network reconfigurations and administrative activities, will be treated as a discontinuance of the existing service and an installation of a new service. A nonrecurring installation charge will apply per ADSL Access Service line for this work activity.

These Revisions filed under Transmittal No. 12

ACCESS SERVICE

8. Digital Subscriber Line Access Services (Cont'd)8.3 DSL Access Services Discount Pricing Arrangement (Cont'd)8.3.2 Term Plan(A) Description

The Term Plan provides the customer with reduced rates based on the length of the customer's term commitment and its selected pricing option. The Term Plan is available for terms of one or three years with a choice of two pricing options. The Telephone Company will establish a Term Plan for each Serving Wire Center (SWC) based on the customer's order notifying the Telephone Company which ADSL-equipped SWC(s) the customer wants included in the plan(s) and the selected term commitment and pricing option for each SWC. An Access Order Charge applies for each order to establish the Term Plan(s). (C)

When the customer subscribes to a Term Plan, all in-service ADSL Access Service lines provided out of and subsequently installed at the included SWC will be billed the rates and charges specified in 17.4.6(C)(2) or 18.4.6(C)(2), following, for the length of the term commitment. In addition to the applicable ADSL Line Charges, the customer will be billed a recurring monthly Term Plan Charge for each SWC included in a Term Plan, as specified in 17.4.6(C)(2)(a) or 18.4.6(C)(2)(a), following based on its selected pricing option. (C)

If the Telephone Company decreases the applicable rates for Term Plan service during the term of a commitment period, the decreased rates will automatically be applied for the remainder of the current commitment period.

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ACCESS SERVICE

8. Digital Subscriber Line Access Services (Cont'd)8.3 DSL Access Services Discount Pricing Arrangement (Cont'd)8.3.2 Term Plan(A) Description (Cont'd)

At the end of the Term Plan, the customer may elect to establish a new Term Plan commitment, convert to the rates available under the Monthly Plan, or discontinue service. If the customer does not make an election by the end of the Term Plan, the rates for all ADSL Access Service lines will automatically be converted to the rates available under the Monthly Plan specified in 17.4.6(C)(1) or 18.4.6(C)(1), following. An Access Order Charge will not apply to any election made by the customer at the end of the Term Plan.

A Term Plan is subject to payment for early termination as described in (D), following.

(B) Upgrades in Term Plan

A customer may terminate a Term Plan without the application of a termination liability charge when the customer replaces its original Term Plan commitment with a new Term Plan commitment provided the length and pricing option of the new Term Plan commitment is of equal or greater length than the length of the original Term Plan commitment. An Access Order Charge will not apply when the customer replaces an existing Term Plan with a new Term Plan commitment under this provision.

(C)
—
(C)

(C) Termination without Liability

A customer may terminate a Term Plan without the application of a termination liability charge if the Telephone Company increases the Term Plan monthly rates described in 17.4.6(C)(2) or 18.4.6(C)(2), following, during the term of the existing commitment. The customer has 90 days following such rate increase to notify the Telephone Company in writing of its intent to terminate its Term Plan under this section; otherwise, the increased rates will apply for the remainder of the commitment period.

These revisions filed under Transmittal No. 12

ACCESS SERVICE

8. Digital Subscriber Line Access Services (Cont'd)8.2 DSL Access Services Discount Pricing Arrangement (Cont'd)8.2.2 Term Plan (Cont'd)(D) Termination with Liability

If the customer elects to terminate its Term Plan(s) prior to the end of the commitment period for any reason other than specified in (B) or (C), preceding, a termination liability charge will apply. For each Term Plan terminated prior to the end of the commitment period, the Telephone Company will bill the customer a charge equal to the monthly Term Plan Charge for its selected pricing option as described in 17.4.6(C)(2)(a) or 18.4.6(C)(2)(a), following, multiplied by the number of months remaining in the commitment period.

(C)

Monthly Plan rates as described in 17.4.6(C)(1) or 18.4.6(C)(1), following, will apply to all in-service ADSL Access Lines following the early termination of a Term Plan.

These revisions filed under Transmittal No. 12

ACCESS SERVICE

14. Special Construction

(N)

14.1 Application of Tariff

This tariff contains regulations, rates, charges, and liabilities applicable for the special construction of interstate facilities provided by the Issuing, Concurring, Connecting or Other Participating Carriers of this tariff, hereinafter referred to as the Telephone Company.

When special construction of facilities is required, the provisions of this tariff apply in addition to all regulations, rates, and charges set forth in the appropriate service tariff.

14.2 Regulations14.2.1 Filing of Charges

Rates, charges and liabilities for special construction to provide facilities for use for one month or more are filed in 14.3 following, as appropriate.

Rates, charges, and liabilities for the construction of facilities for use for less than one month are filed in supplements to this tariff.

14.2.2 Ownership of Facilities

The Telephone Company providing specially constructed facilities under the provisions of this tariff retains ownership of all such facilities.

14.2.3 Interval to Provide Facilities

Based on the available information and type of service ordered, the Telephone Company will establish a completion date for specially constructed facilities. If the scheduled completion date cannot be met due to circumstances beyond the control of the Telephone Company, a new completion date will be established and the customer will be notified.

14.2.4 Special Construction Involving Both Interstate and Intrastate Facilities

When the construction involves facilities to be used to provide both interstate and intrastate services, charges for the portion of the construction used to provide intrastate service shall be in accordance with the appropriate intrastate tariff.

(N)

These revisions filed under Transmittal No. 12

ACCESS SERVICE

14. Special Construction (Cont'd)

(N)

14.2 Regulations (Cont'd)14.2.5 Payment for Special Construction(A) Payment of Charges

All bills associated with special construction are due in accordance with the regulations in the appropriate service tariff.

(B) Start/End of Billing

Billing of recurring charges for specially constructed facilities starts on the day after the facilities are made available for use. Billing accrues through and includes the day that the specially constructed facilities are discontinued.

(C) Credit Allowance for Service Interruption

In the event of a service interruption involving specially constructed facility, the customer shall receive a recurring monthly charge credit in accordance with the credit allowance provisions in the appropriate service tariff associated with the affected services.

When an interruption continues due to the failure of the customer to authorize the replacement of facilities subject to a Replacement Charge, as specified in 14.2.6 following, the credit allowance will be terminated on the seventh calendar day after the Telephone Company has provided the customer with written notification of the need for replacement. The credit allowance will resume on the day after the Telephone Company receives written authorization for the replacement from the customer.

(N)

These revisions filed under Transmittal No. 12

ACCESS SERVICE

14. Special Construction (Cont'd)

(N)

14.2 Regulations (Cont'd)14.2.6 Liabilities and Charges for Special Construction(A) General

This section describes the various charges and liabilities that may apply when the Telephone Company provides special construction of facilities in accordance with an order for service. Written approval of all liabilities and charges must be provided to the Telephone Company prior to the start of construction.

(B) Conditions Requiring Special Construction

Special construction is required when 1) facilities are not available to meet an order for service, and 2) the Telephone Company constructs facilities, and 3) one or more of the following conditions exist:

- The Telephone Company has no other requirement for the facilities requested.
- It is requested that service be furnished using a type of facility, or via a route, other than that which the Telephone Company would normally utilize in furnishing the requested service.
- More facilities are requested than would normally be required to satisfy an order.
- It is requested that construction be expedited, resulting in added cost to the Telephone Company.

(C) Development of Liabilities and Charges

Special construction charges and liabilities will be developed based on estimated cost, except when actual costs are requested in writing prior to the start of special construction.

(D) Types of Liabilities and Charges

Depending on the specifics associated with each individual case, one or more of the following special construction charges and/or liabilities may be applicable:

(1) Nonrecurring Charge

A non recurring charge always applies and includes one or more of the following components:

(N)

These Revisions filed under Transmittal No. 12

ACCESS SERVICE

14. Special Construction (Cont'd)

(N)

14.2 Regulations (Cont'd)14.2.6 Liabilities and Charges for Special Construction (Cont'd)

(D) Types of Liabilities and Charges (Cont'd)

(1) Nonrecurring Charge (Cont'd)- Case Preparation Charge

A nonrecurring charge always includes a case preparation charge component to cover the administrative expenses associated with preparing a special construction case and the associated tariff filing.

- Expediting Charge

A Nonrecurring charge may include an expediting charge when it is requested that special construction be completed on an expedited basis. The charge equals the difference in estimated cost between expedited and non expedited construction.

- Optional Payment

An optional payment charge may be included in the nonrecurring charge in association with a type of facility or route other than that which the Telephone Company would normally use in furnishing the requested service if lower recurring monthly charges are desired for the specially constructed facilities. This charge is equal to the excess installed cost or the total non recoverable cost, which ever is less. This election must be made in writing before special construction starts. If this election is coupled with the actual cost option, the optional payment charge will reflect the actual cost of the specially constructed facilities.

- Replacement Charge

If any portion of specially constructed facilities for which an optional payment charge has been paid requires replacement involving capital investment, a replacement charge will apply. This charge will be in the same ratio to the total replacement costs as the initial optional payment charge was to the installed cost of the original specially constructed facilities. If any portion of the facilities subject to the replacement charge fails, service will not be restored until notification is provided in writing that replacement is required and such replacement is ordered.

(N)

These revisions filed under Transmittal No. 12

ACCESS SERVICE

14. Special Construction (Cont'd)

(N)

14.2 Regulations (Cont'd)14.2.6 Liabilities and Charges for Special Construction (Cont'd)

(D) Types of Liabilities and Charges (Cont'd)

(1) Nonrecurring Charge (Cont'd)- Rearrangement Charge

If the Telephone Company is requested to rearrange existing specially constructed facilities, a nonrecurring charge equal to the cost of any special construction will apply.

- Special Construction of Facilities for Use for Less Than One Month

If the Telephone Company is requested to construct facilities to provide service for less than one month, a nonrecurring charge applies. In addition to the case preparation charge component, this nonrecurring charge recovers all elements of cost, including engineering, shipping of equipment, equipment installation, line-up, equipment leasing, space rental, equipment removal, and any other costs associated with the construction of facilities.

(2) Maximum Termination Liability and Termination Charge

A Maximum Termination Liability is equal to the non recoverable costs associated with specially constructed facilities and is the maximum amount which could be applied as a Termination Charge if all specially constructed facilities were discontinued before the Maximum Termination Liability expires.

The liability period is equal to the average life of the account associated with the specially constructed facilities. The liability period is generally expressed in terms of an effective and expiration date.

The Maximum Termination Liability is filed with the initial tariff filing in decreasing amounts at ten year intervals over the life of the facilities. In the event that the average account life of the facilities is not an even multiple of ten, the last increment will reflect the appropriate number of years remaining.

Example Illustrating a 27 Year Average Account Life

<u>Maximum Termination Liability</u>	<u>Effective Date</u>	<u>Expiration Date</u>
\$10,000	6/1/84	6/1/94
7,000	6/1/94	6/1/04
3,000	6/1/04	6/1/11

(N)

These revisions filed under Transmittal No. 12

ACCESS SERVICE

14. Special Construction (Cont'd)

(N)

14.2 Regulations (Cont'd)14.2.6 Liabilities and Charges for Special Construction (Cont'd)(D) Types of Liabilities and Charges (Cont'd)(2) Maximum Termination Liability and Termination Charge
(Cont'd)

Prior to the expiration of each liability period, the customer has the option to (A) terminate the special construction case and pay the appropriate charges, or (B) extend the use of the specially constructed facilities for the new liability period.

The Telephone Company will notify the customer six months in advance of the expiration date of each ten year liability period. The customer must provide the Telephone Company with written notification at least 30 days prior to the expiration of the liability period if termination is elected. Failure to do so will result in an automatic extension of the special construction case to the next liability period at the filed Maximum Termination Liability amount.

A Termination Charge may apply when all services using specially constructed facilities which have a tariffed Maximum Termination Liability are discontinued prior to the expiration of the liability period. The charge reflects the unamortized portion of the non recoverable costs at the time of termination, adjusted for net salvage and possible reuse. Administrative costs associated with specific case of special construction and any cost for restoring a location to its original condition are also included. A Termination Charge may never exceed the filed Maximum Termination Liability.

A partial termination of specially constructed facilities will be provided, at the election of the customer. The amount of the Termination Charge associated with such a partial termination is determined by multiplying the Termination Charge which would result if all services using the specially constructed facilities were discontinued, at the time partial termination is elected, by the percentage of specially constructed facilities to be partially terminated. A tariff filing will be made following a partial termination to list remaining Maximum Termination Liability amounts and the number of specially constructed facilities the customer will remain liable for.

Example

A customer with a filed Maximum Termination Liability of \$100,000 for 3600 specially constructed facilities requests a partial disconnection of 900 facilities. The Termination Charge for all facilities, at the time of the election, is \$60,000. The partial termination charge, in this example, is \$60,000 x 900/3600, or \$15,000.

(N)

These revisions filed under Transmittal No. 12

ACCESS SERVICE

14. Special Construction (Cont'd)

(N)

14.2 Regulations (Cont'd)14.2.6 Liabilities and Charges for Special Construction (Cont'd)(D) Types of Liabilities and Charges (Cont'd)(3) Annual Underutilization Liability and Underutilization Charge

Prior to the start of the special construction, the Telephone Company and the customer will agree on (1) the quantity of facilities to be provided, an (2) the length of the planning period during which the customer expects to place the facilities in service. The planning period is hereafter referred to as the Initial Liability Period (ILP). The ILP is listed in the tariff with an effective and expiration date.

Underutilization occurs only if, at the expiration date of the ILP and annually thereafter, less than 70 percent of the specially constructed facilities are in service at the filed tariff service rates.

An annual underutilization amount is filed on a per unit basis (e.g., per cable pair) for each case of special construction. This amount is equal to the annual per unit cost and includes depreciation, maintenance, administration, return, taxes and any other costs identified in the supporting documentation provided at the time the special construction case is filed.

Upon expiration of the ILP, the underutilized facilities, if any, are multiplied by the annual underutilization liability amount. This product is then multiplied by the number of years (including any fraction thereof) in the ILP to determine the underutilization charge.

Annually thereafter, the number of underutilized facilities, if any, existing on the anniversary of the ILP expiration date will be multiplied by the annual underutilization charge for the preceding 12 month period.

(N)

These revisions filed under Transmittal No. 12

ACCESS SERVICE

14. Special Construction (Cont'd)

(N)

14.2 Regulations (Cont'd)14.2.6 Liabilities and Charges for Special Construction (Cont'd)(D) Types of Liabilities and Charges (Cont'd)(3) Annual Underutilization Liability and Underutilization Charge
(Cont'd)Example

A customer orders 100 services and the special construction of 600 pair riser cable is agreed to, based on the customer's 5 year facility requirement. The ILP, in this example, would be filed for 5 years. The annual underutilization liability is filed at \$2.00 per pair. If 400 pairs were in service at the end of the ILP, there would be an underutilization of 20 pairs, i.e., $420 (70\% \text{ of } 600) - 400 = 20$. The total underutilization charge for the first 5 years would be \$200.00, or \$2.00 per pair x 20 pairs x 5 years.

If 420 pairs are in service at the end of the 6th year, there would be no underutilization, i.e., $420 - 420 = 0$.

(4) Recurring Monthly ChargesCharge for Route or Type Other than Normal

When special construction is requested using a route or type of facility other than that which the Telephone Company would normally use, a recurring monthly charge, in addition to the monthly rate for service, is applicable. The charge is equal to the difference between the recurring costs of the specially constructed facilities and the recurring costs of the facilities the Telephone Company would have normally used.

- (a) When an Optional Payment Charge as set forth in 14.2.6 (D) (1) preceding has been elected, the recurring monthly charge will be reduced to include specially constructed operating expense only.
- (b) If the actual cost option as set forth in 14.2.6 (C) preceding has been elected, the recurring charge will be adjusted to reflect the actual cost of the new construction when the costs have been determined. This adjusted recurring charge is applicable from the start of service.

(N)

These revisions filed under Transmittal No. 12

ACCESS SERVICE

14. Special Construction (Cont'd)

(N)

14.2 Regulations (Cont'd)14.2.6 Liabilities and Charges for Special Construction (Cont'd)(D) Types of Liabilities and Charges (Cont'd)(5) Lease Charge

This charge applies when the Telephone Company leases equipment in order to meet service requirements. The amount of the charge is equal to the net added cost to the Telephone Company caused by the lease.

(6) Cancellation Charge

If a service order with which special construction is associated is cancelled prior to the start of service, a cancellation charge will apply. The charge will include all non recoverable costs incurred by the Telephone Company in association with the special construction up to and including the time of cancellation.

14.2.7 Deferral of Start of Service

The Telephone Company may be requested to defer the start of service which will use the specially constructed facilities subject to the provisions set forth in the service tariff under which service is being provided. Requests for special construction deferral must be in writing and are subject to the following regulations:

(A) Construction Has Not Begun

If the Telephone Company has not incurred any installation costs before receiving a request for deferral, no charge applies.

(B) Construction Has Begun

If the construction has begun before the Telephone Company receives a request for deferral, charges will vary as follows:

(1) All Services Are Deferred

When all service which will use specially constructed facilities are deferred, a charge based on the costs incurred by the Telephone Company during each month of the deferral will apply. Those costs include the recurring costs for that portion of the facilities already completed and any costs associated with the deferral. The cost of any components of the nonrecurring charge which have been completed at the time of the deferral will also apply.

(N)

These revisions filed under Transmittal No. 12

ACCESS SERVICE

14. Special Construction (Cont'd)

(N)

14.2 Regulations (Cont'd)14.2.7 Deferral of Start of Service (Cont'd)(B) Construction Has Begun (Cont'd)(2) Some Services Are Deferred

When some services which will use the specially constructed facilities are deferred, the construction case will be completed and all special construction charges will apply.

(C) Construction Complete

If the construction of facilities has been completed before the Telephone Company receives a request for deferral, all special construction charges will apply.

14.2.8 Definitions

Actual Cost - The term "Actual Cost" denotes all costs charged against a specific case of special construction, including all appropriate taxes.

Annual Underutilization Liability - The term "Annual Underutilization Liability" denotes a unit amount which may be billed annually if fewer services are in use utilizing specially constructed facilities at filed tariffed rates than were originally specially constructed.

Estimated Cost - The term "Estimated Cost" denotes all estimated costs that will be incurred in providing a specific case of special construction, including any appropriate taxes.

Facilities - The term "Facilities" denotes any cable, poles, conduits, microwave or carrier equipment, wire center distribution frames, central office switching equipment, etc., utilized to provide interstate services.

Initial Liability Period - The term "Initial Liability Period" denotes the initial planning period during which the customer expects to place specially constructed facilities in service.

Installed Cost - The term "Installed Cost" denotes the total investment (estimated or actual) required by the Telephone Company to provide specially constructed facilities.

(N)

These revisions filed under Transmittal No. 12

ACCESS SERVICE

14. Special Construction (Cont'd)

(N)

14.2 Regulations (Cont'd)14.2.8 Definitions (Cont'd)

Maximum Termination Liability - The term "Maximum Termination Liability" denotes the maximum amount which may be billed if all services using specially constructed facilities are terminated prior to the expiration of the Maximum Termination Liability Period.

Maximum Termination Liability Period - The term "Maximum Termination Liability Period" denotes the length of time for which a termination charge may apply if all services using specially constructed facilities are terminated.

Net Salvage - The term "Net Salvage" denotes the estimated scrap, sale, or trade-in value, less the estimated cost of removal. Cost of removal includes the costs of demolishing, tearing down, or otherwise disposing of the material and any other applicable costs. Since the cost of removal may exceed salvage value, net salvage may be negative.

Non recoverable Cost - The term "Non recoverable Cost" denotes the cost of specially constructed facilities for which the telephone Company has no foreseeable use should the service be terminated.

Normal Construction - The term "Normal Construction" denotes all facilities the Telephone Company would normally use to provide service in the absence of a requirement for special construction.

Normal Cost - The term "Normal Cost" denotes the estimated cost to provide services using normal construction.

Permanent Facilities - The term "Permanent Facilities" denotes facilities providing service for one month or more.

Recoverable Cost - The term "Recoverable Cost" denotes the cost of the specially constructed facilities for which the Telephone Company has a foreseeable reuse, either in place or elsewhere, should the service be terminated.

Termination Charge - The term "Termination Charge" denotes the portion of the Maximum Termination Liability that is applied as a nonrecurring charge when all services are discontinued prior to the expiration of the specified liability period.

(N)

These revisions filed under Transmittal No. 12

ACCESS SERVICE

14. Special Construction (Cont'd)

(N)

14.3 Special Construction Cases

<u>Case No.</u>	<u>Telephone CO./ Customer Name</u>	<u>Description</u>	<u>Charge Liability</u>	<u>Effective Date</u>	<u>Expiration Date</u>
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(N)

These revisions filed under Transmittal No. 12

ACCESS SERVICE

15. Access Service Interfaces and Transmission Specifications (Cont'd)15.2 Special Access Service (Cont'd)15.2.2 Network Channel Interface (NCI) Codes (Cont'd)(C) Compatible Network Channel Interfaces (Cont'd)(7) High Capacity

<u>Compatible CIs</u>		<u>Compatible CIs</u>	
4DS0-63	4DS0-63 4DU8-A,B or C 6DU8-A,B or C	4DS8-15J	4DU8-A 6DU8-A
4DS6-27	4DS6-27 4DU8-A,B or C 6DU8-A,B or C	4DS8-15K	4DU8-B 4DU8-C 6DU8-B 6DU8-C
4DS6-44	4DS6-44 4DU8-A,B or C 6DU8-A,B or C	4DS8-31	4DS8-31 4DU8-A,B or C 6DU8-A,B or C
4DS8-15	4DS8-15+ 4DU8-B 6DU8-8	4DU8-A,B or C	4DU8-A,B or C

(8) Synchronous Optical Channel Service

<u>Compatible CIs</u>		<u>Compatible CIs</u>	
4DS9-1S	4DU9-1S	02SOF-A	02SOF-A
4DS9-1K	4DU9-1K	02SOF-B	02SOF-B
		02SOF-C	02SOF-C
		02SOF-D	02SOF-D
		02SOF-E	02SOF-E
		02SOF-F	02SOF-F

(N)

(N)

These revisions filed under Transmittal No. 12

ACCESS SERVICE

17. RATES AND CHARGES -- CENTURYTEL OF OHIO, INC. (Cont'd)17.3 Special Access Service (Cont'd)17.3.7 High Capacity Service (Cont'd)

	<u>Monthly Rate</u>
(D) <u>Optional Features and Functions</u> (Cont'd)	
(2) Automatic Loop Transfer Per arrangement*	ICB
(3) Transfer Arrangement Per four port arrangement including control channel termination**	ICB

(E) <u>ADSL Access Service Connection</u>	Monthly	Nonrecurring
Per 1.544 Mbps	\$ 300.00	\$ 170.00
Per 44.736 Mbps	\$2,300.00	\$555.00
Per 10BASE-T	\$300.00	\$170.00
Per 100BASE-T	\$2,300.00	\$555.00
Per OC3	See 17.4.7 (D) (5) following	
(F) <u>Shared SONET Ring Interoffice Transport</u> Per DS3 Channel Mileage Facility	None	

(N)
|
(N)

* An additional Channel Termination charge will apply whenever the spare line is provided as a leg to the customer designated premises.

** An additional Channel Termination charge will apply whenever a spare channel is configured as a leg to the customer designated premises. Additional channel mileage charges will also apply when the transfer arrangement is not located in the customer designated premises serving wire center.

These revisions filed under Transmittal No. 12

ACCESS SERVICE

17. RATES AND CHARGES - - CENTURYTEL OF OHIO, INC. (Cont'd)17.4 Other Services (Cont'd)17.4.7 Synchronous Optical Channel Service

Regulations concerning Synchronous Optical Channel Service are set forth in 7.2.1 preceding.

	<u>Monthly</u>	<u>3 Year(36 Month)</u>	<u>5 Year(60 month)</u>
(A) Channel Termination Per Termination			
OC3/OC3c	\$5,944.74	\$5,350.27	\$4,755.79
OC12	\$7,805.30	\$6,908.34	\$6,795.35
OC48	\$13,262.33	\$12,365.37	\$12,252.39
Per Mile, over 3 miles			
OC3, OC12 and OC48	\$1,973.49	\$1,973.49	\$1,973.49
Channel Termination nonrecurring charge per termination is \$786.00			
(B) Channel Mileage Facility Per Mile			
OC3/OC3c	\$207.65	\$207.65	\$207.65
OC12	\$296.38	\$296.38	\$296.38
OC48	\$533.00	\$533.00	\$533.00
(C) Channel Mileage Termination per Termination			
OC3/OC3c	\$349.01	\$349.01	\$349.01
OC12	\$1,396.05	\$1,396.05	\$1,396.05
OC48	\$4,188.16	\$4,188.16	\$4,188.16

(N)

(N)

These revisions filed under Transmittal No. 12

ACCESS SERVICE

17. RATES AND CHARGES - - CENTURYTEL OF OHIO, INC. (Cont'd)17.4 Other Services (Cont'd)17.4.7 Synchronous Optical Channel Service (Cont'd)

(N)

(D) Optional Features and Functions

	<u>Monthly</u>	<u>3 Year(36 Month)</u>	<u>5 Year(60 month)</u>
(1) Customer Node			
Per Node			
OC3/OC3c	\$1,733.14	\$1,559.82	\$1,386.51
OC12	\$4,408.67	\$3,967.80	\$3,526.93
OC48	\$12,748.12	\$11,473.31	\$10,198.50
Customer Node nonrecurring charge per node is \$786.00			
(2) Customer Premise			
Port Per Port			
STS-1	\$117.73	\$105.96	\$94.18
DS3	\$117.73	\$105.96	\$94.18
OC3/OC3c	\$191.74	\$172.56	\$153.39
OC12	\$388.51	\$349.66	\$310.81
(3) Add/Drop Multiplexing			
Central Office Port			
Per Port			
DS3 (155.52 Mbps)	\$91.19	\$91.19	\$91.19
OC3 (622.08 Mbps)	\$196.14	\$196.14	\$196.14
OC12 (2.4 Gbts)	\$349.66	\$349.66	\$349.66
DS1	\$30.00	\$30.00	\$30.00
(4) Shared SONET Ring			
Interoffice Transport per			
Channel Mileage Facility	None	None	None
(5) DSL Access Service			
Connection			
OC3/OC3c	\$2,339.80	\$2,339.80	\$2,339.80

(N)

These revisions filed under Transmittal No. 12

ACCESS SERVICE

17. RATES AND CHARGES - - CENTURYTEL OF OHIO, INC. (Cont'd)17.4 Other Services (Cont'd)17.4.6 Digital Subscriber Line Access Services(A) Asymmetric Digital Subscriber Line Access Service

Regulations concerning Asymmetric Digital Subscriber Line Access Service are set forth in Section 8.1, preceding.

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
(1) <u>ADSL Line Charge</u>		
Per local exchange telephone service line	\$35.00	\$95.00

(B) Reserved for Future Use(C) DSL Access Services Discount Pricing Arrangement

Regulations concerning the DSL Discount Pricing Arrangement Monthly Plan or Term Plan are set forth in Section 8.3, preceding.

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
(1) <u>Monthly Plan Line Charges</u>			(C)
ADSL Line Charge			
Per local exchange telephone service line	\$33.00	\$95.00	
(2) <u>Term Plan</u>			
(a) <u>Term Plan Charges</u>			(C)
Per serving wire center included in a Term Plan			
- Pricing Option 1	\$150.00	N/A	(C)
- Pricing Option 2	\$350.00	N/A	(N)
(b) <u>Term Plan Line Charges</u>	<u>1 Year</u>	<u>3 Year</u>	<u>Nonrecurring</u> (C)
- Pricing Option 1	\$30.00	\$27.00	\$95.00 (T)
- Pricing Option 2	\$27.00	\$24.00	\$95.00 (N)

These revisions filed under Transmittal No. 12

ACCESS SERVICE

18. RATES AND CHARGES -- CENTURYTEL OF WISCONSIN, INC. (Cont'd)18.3 Special Access Service (Cont'd)18.3.7 High Capacity Service (Cont'd)

		<u>Monthly Rate</u>
(D) <u>Optional Features and Functions</u> (Cont'd)		
(2)	Automatic Loop Transfer Per arrangement*	\$118.40
(3)	Transfer Arrangement Per four port arrangement including control channel termination**	\$100.64

(E) <u>ADSL Access Service Connection</u>	Monthly	Nonrecurring
Per 1.544 Mbps	\$300.00	\$170.00
Per 44.736 Mbps	\$2,300.00	\$555.00
Per 10BASE-T	\$300.00	\$170.00
Per 100BASE-T	\$2,300.00	\$555.00
Per OC3	See 18.4.7 (D)(5) following	
(F) Shared SONET Ring Interoffice Transport		
Per DS3 Channel Mileage Facility	None	

(N)
—
(N)

* An additional Channel Termination charge will apply whenever the spare line is provided as a leg to the customer designated premises.

** An additional Channel Termination charge will apply whenever a spare channel is configured as a leg to the customer designated premises. Additional channel mileage charges will also apply when the transfer arrangement is not located in the customer designated premises serving wire center.

These revisions filed under Transmittal No. 12

ACCESS SERVICE

18. RATES AND CHARGES - - CENTURYTEL OF WISCONSIN, INC. (Cont'd)18.4 Other Services (Cont'd)18.4.7 Synchronous Optical Channel Service

Regulations concerning Synchronous Optical Channel Service are set forth in 7.2.1 preceding.

	<u>Monthly</u>	<u>3 Year(36 Month)</u>	<u>5 Year(60 month)</u>
(A) Channel Termination Per Termination			
OC3/OC3c	\$3,521.25	\$3,169.13	\$2,817.00
OC12	\$5,313.11	\$4,954.35	\$4,881.76
OC48	\$11,113.13	\$10,754.37	\$10,681.78
Per Mile, over 3 miles			
OC3, OC12 and OC48	\$1,171.39	\$1,171.39	\$1,171.39
Channel Termination nonrecurring charge per termination is \$786.00			
(B) Channel Mileage Facility Per Mile			
OC3/OC3c	\$175.57	\$175.57	\$175.57
OC12	\$466.36	\$466.36	\$466.36
OC48	\$1,241.82	\$1,241.82	\$1,241.82
(C) Channel Mileage Termination per Termination			
OC3/OC3c	\$235.87	\$235.87	\$235.87
OC12	\$943.47	\$943.47	\$943.47
OC48	\$2,830.41	\$2,830.41	\$2,830.41

(N)

(N)

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ACCESS SERVICE

18. RATES AND CHARGES - - CENTURYTEL OF WISCONSIN, INC. (Cont'd)18.4 Other Services (Cont'd)18.4.7 Synchronous Optical Channel Service (Cont'd)

(N)

(D) Optional Features and Functions

	<u>Monthly</u>	<u>3 Year(36 Month)</u>	<u>5 Year(60 month)</u>
(1) Customer Node			
Per Node			
OC3/OC3c	\$1,182.39	\$1,064.15	\$945.92
OC12	\$3,025.12	\$2,722.61	\$2,420.10
OC48	\$8,746.23	\$7,871.61	\$6,996.99
Customer Node nonrecurring charge per node is \$786.00			
(2) Customer Premise			
Port Per Port			
STS-1	\$81.09	\$72.98	\$64.88
DS3	\$81.09	\$72.98	\$64.88
OC3/OC3c	\$132.07	\$118.86	\$105.66
OC12	\$267.61	\$240.85	\$214.09
(3) Add/Drop Multiplexing			
Central Office Port			
Per Port			
DS3 (155.52 Mbps)	\$62.82	\$62.82	\$62.82
OC3 (622.08 Mbps)	\$135.10	\$135.10	\$135.10
OC12 (2.4 Gbts)	\$240.85	\$240.85	\$240.85
DS1	\$30.00	\$30.00	\$30.00
(4) Shared SONET Ring			
Interoffice Transport per			
Channel Mileage Facility	None	None	None
(5) DSL Access Service			
Connection			
OC3/OC3c	\$1,611.49	\$1,611.49	\$1,611.49

(N)

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ACCESS SERVICE

18. RATES AND CHARGES - - CENTURYTEL OF WISCONSIN, INC. (Cont'd)18.4 Other Services (Cont'd)18.4.6 Digital Subscriber Line Access Services(A) Asymmetric Digital Subscriber Line Access Service

Regulations concerning Asymmetric Digital Subscriber Line Access Service are set forth in Section 8.1, preceding.

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
(1) <u>ADSL Line Charge</u>		
Per local exchange telephone service line	\$35.00	\$95.00

(B) Reserved for Future Use(C) DSL Access Services Discount Pricing Arrangement

Regulations concerning the DSL Discount Pricing Arrangement Monthly Plan or Term Plan are set forth in Section 8.3, preceding.

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
(1) <u>Monthly Plan Line Charges</u>			(C)
ADSL Line Charge			
Per local exchange telephone service line	\$33.00	\$95.00	
(2) <u>Term Plan</u>			
(a) <u>Term Plan Charges</u>			(C)
Per serving wire center included in Term Plan			
- Pricing Option 1	\$150.00	N/A	(C)
- Pricing Option 2	\$350.00	N/A	(N)
(b) <u>Term Plan Line Charges</u>	<u>1 Year</u>	<u>3 Year</u>	<u>Nonrecurring</u>
- Pricing Option 1	\$30.00	\$27.00	\$95.00
- Pricing Option 2	\$27.00	\$24.00	\$95.00

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ACCESS SERVICE

19. RATES AND CHARGES -- CENTURYTEL OF MIDWEST -- MICHIGAN, INC (Cont'd)
CENTURYTEL OF MICHIGAN, INC.19.3 Special Access Service (Cont'd)19.3.7 High Capacity Service (Cont'd)

		<u>Monthly Rate</u>	
(D) <u>Optional Features and Functions (Cont'd)</u>			
(2)	Automatic Loop Transfer Per arrangement*	\$155.55	
(3)	Transfer Arrangement Per four port arrangement including control channel termination**	\$169.53	
(E) <u>ADSL Access Service Connection</u>		Monthly	Nonrecurring
	Per 1.544 Mbps	\$ 300.00	\$ 170.00
	Per 44.736 Mbps	\$2,300.00	\$ 555.00
	Per 10BASE-T	\$300.00	\$170.00
	Per 100BASE-T	\$2,300.00	\$555.00
	Per OC3	See 19.4.7 (D)(5) following	
(F) <u>Shared SONET Ring Interoffice Transport</u>			
	Per DS3 Channel Mileage Facility	None	(N)

* An additional Channel Termination charge will apply whenever the spare line is provided as a leg to the customer designated premises.

** An additional Channel Termination charge will apply whenever a spare channel is configured as a leg to the customer designated premises. Additional channel mileage charges will also apply when the transfer arrangement is not located in the customer designated premises serving wire center.

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ACCESS SERVICE

19. RATES AND CHARGES - - CENTURYTEL OF MIDWEST- MICHIGAN, INC.. (Cont'd)
CENTURYTEL OF MICHIGAN, INC.19.4 Other Services (Cont'd)19.4.7 Synchronous Optical Channel Service

(N)

Regulations concerning Synchronous Optical Channel Service are set forth in 7.2.1 preceding.

	<u>Monthly</u>	<u>3 Year(36 Month)</u>	<u>5 Year(60 month)</u>
(A) Channel Termination Per Termination			
OC3/OC3c	\$3,756.41	\$3,380.77	\$3,005.13
OC12	\$5,358.10	\$5,001.33	\$4,929.29
OC48	\$10,551.47	\$10,194.71	\$10,122.66
Per Mile, over 3 miles			
OC3, OC12 and OC48	\$1,222.41	\$1,222.41	\$1,222.41
Channel Termination nonrecurring charge per termination is \$786.00			
(B) Channel Mileage Facility Per Mile			
OC3/OC3c	\$123.90	\$123.90	\$123.90
OC12	\$236.95	\$236.95	\$236.95
OC48	\$538.42	\$538.42	\$538.42
(C) Channel Mileage Termination per Termination			
OC3/OC3c	\$211.03	\$211.03	\$211.03
OC12	\$844.11	\$844.11	\$844.11
OC48	\$2,532.33	\$2,532.33	\$2,532.33

(N)

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ACCESS SERVICE

19. RATES AND CHARGES - - CENTURYTEL OF MIDWEST- MICHIGAN, INC. (Cont'd)
CENTURYTEL OF MICHIGAN, INC.19.4 Other Services (Cont'd)19.4.7 Synchronous Optical Channel Service (Cont'd)

(N)

(D) Optional Features and Functions

	<u>Monthly</u>	<u>3 Year(36 Month)</u>	<u>5 Year(60 month)</u>
(1) Customer Node			
Per Node			
OC3/OC3c	\$1,053.41	\$948.07	\$842.73
OC12	\$2,688.20	\$2,419.38	\$2,150.56
OC48	\$7,772.60	\$6,995.34	\$6,218.08
Customer Node nonrecurring charge per node is \$786.00			
(2) Customer Premise			
Port Per Port			
STS-1	\$71.96	\$64.76	\$57.57
DS3	\$71.96	\$64.76	\$57.57
OC3/OC3c	\$117.19	\$105.47	\$93.75
OC12	\$237.46	\$213.71	\$189.97
(3) Add/Drop Multiplexing			
Central Office Port			
Per Port			
DS3 (155.52 Mbps)	\$55.74	\$55.74	\$55.74
OC3 (622.08 Mbps)	\$119.88	\$119.88	\$119.88
OC12 (2.4 Gbts)	\$213.71	\$213.71	\$213.71
DS1	\$30.00	\$30.00	\$30.00
(4) Shared SONET Ring			
Interoffice Transport per			
Channel Mileage Facility	None	None	None
(5) DSL Access Service			
Connection			
OC3/OC3c	\$1,429.65	\$1,429.65	\$1,429.65

(N)

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